package com.twitter.search.earlybird.search.facets;

import java.util.ArrayList;

import java.util.List;

import java.util.Map;

import java.util.Set;

import com.twitter.search.core.earlybird.facets.FacetIDMap;

import com.twitter.search.core.earlybird.facets.FacetLabelProvider;

import com.twitter.search.core.earlybird.facets.FacetTermCollector;

import com.twitter.search.core.earlybird.index.EarlybirdIndexSegmentAtomicReader;

import com.twitter.search.earlybird.thrift.ThriftFacetLabel;

/\*\*

\* A collector for facet labels of given fields.

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public class FacetLabelCollector implements FacetTermCollector {

private final Set<String> requiredFields;

private FacetIDMap facetIDMap;

private Map<String, FacetLabelProvider> facetLabelProviders;

private final List<ThriftFacetLabel> labels = new ArrayList<>();

public FacetLabelCollector(Set<String> requiredFields) {

this.requiredFields = requiredFields;

}

public void resetFacetLabelProviders(Map<String, FacetLabelProvider> facetLabelProvidersToReset,

FacetIDMap facetIDMapToReset) {

this.facetLabelProviders = facetLabelProvidersToReset;

this.facetIDMap = facetIDMapToReset;

labels.clear();

}

@Override

public boolean collect(int docID, long termID, int fieldID) {

String facetName = facetIDMap.getFacetFieldByFacetID(fieldID).getFacetName();

if (facetName == null || !requiredFields.contains(facetName)) {

return false;

}

if (termID != EarlybirdIndexSegmentAtomicReader.TERM\_NOT\_FOUND && fieldID >= 0) {

final FacetLabelProvider provider = facetLabelProviders.get(facetName);

if (provider != null) {

FacetLabelProvider.FacetLabelAccessor labelAccessor = provider.getLabelAccessor();

String label = labelAccessor.getTermText(termID);

int offensiveCount = labelAccessor.getOffensiveCount(termID);

labels.add(new ThriftFacetLabel()

.setFieldName(facetName)

.setLabel(label)

.setOffensiveCount(offensiveCount));

return true;

}

}

return false;

}

public List<ThriftFacetLabel> getLabels() {

// Make a copy

return new ArrayList<>(labels);

}

}